

Title (en)

BATTERY MODULE HAVING STRUCTURE INTO WHICH COOLING WATER CAN BE INTRODUCED WHEN THERMAL RUNAWAY PHENOMENON OCCURS, AND BATTERY PACK AND ENERGY STORAGE DEVICE COMPRISING SAME

Title (de)

BATTERIEMODUL MIT STRUKTUR ZUR EINLEITUNG VON KÜHLWASSER BEI AUFTRETEN DES THERMISCHEN ABLAUFPHÄNOMENS SOWIE BATTERIEPACK UND ENERGIESPEICHERVORRICHTUNG DAMIT

Title (fr)

MODULE DE BATTERIE AYANT UNE STRUCTURE DANS LAQUELLE DE L'EAU DE REFROIDISSEMENT PEUT ÊTRE INTRODUITE LORSQU'UN PHÉNOMÈNE D'EMBALLEMENT THERMIQUE SE PRODUIT, ET BLOC-BATTERIE ET DISPOSITIF DE STOCKAGE D'ÉNERGIE LE COMPRENANT

Publication

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Application

EP 20837142 A 20200703

Priority

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- KR 2020008737 W 20200703

Abstract (en)

[origin: EP3989336A1] A battery module according to an embodiment of the present disclosure includes a plurality of battery cells, a module housing in which a cell stack is received, the cell stack being formed by stacking the plurality of battery cells, an air inlet passing through the module housing on one side of a stack direction of the cell stack, an air outlet passing through the module housing on the other side in the stack direction of the cell stack, and an expandable pad disposed inside of the air inlet and the air outlet to close the air inlet and the air outlet by expansion upon contact with cooling water introduced into the battery module.

IPC 8 full level

H01M 10/6567 (2014.01); **A62C 2/06** (2006.01); **H01M 10/48** (2006.01); **H01M 10/613** (2014.01); **H01M 10/627** (2014.01); **H01M 10/63** (2014.01)

CPC (source: EP KR US)

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Citation (search report)

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- [A] JP 3187696 U 20131212
- [A] JP 2015153616 A 20150824 - AUTO NETWORK GIJUTSU KENKYUSHO, et al
- [A] CN 109546261 A 20190329 - ZHEJIANG NARADA POWER SOURCE, et al
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Designated contracting state (EPC)

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DOCDB simple family (application)

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